

Process for producing polymer foams based on reactive polycondensation resins

Abstract

5 Process for producing polymer foams derived from reactive polycondensation resins and having a maximum pore diameter of 1 μm , which comprises:

- 1) preparing a gelable mixture of the reactive polycondensation resin in a solvent or dispersion medium,
- 10 2) preparing an aqueous dispersion comprising polymer particles,
- 3) mixing the mixture from step 1) with the dispersion from step 2) to give a water-containing gel, and
- 15 4) drying the water-containing gel to give the polymer foam,

with drying in step 4) being carried out at a pressure and a temperature which are below the critical pressure and below the critical temperature of the liquid phase of the gel and

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the gel not being brought into contact with an organic liquid to replace the water present in the gel by this liquid after step 3) and before step 4).